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April 14, 2019

### PROGRESS REPORT THROUGH MARCH 2019

Site Name: **Pristine**  
Project Number: 1453-038-00-10 0003AP  
Vehicle: SSP&A  
SSID: 0556  
EPA CERCLA ID: OHD076773712  
RPM: David Linnear

#### *Work Performed:*

During this period, SSP&A worked on updating site analyses, calculated water-level gradients and prepared maps, reviewed previous reports for GE well pumping rates, QA/QCed wells chemical data, added GE wells and Pristine wells in Groundwater Desktop including chemical data for 6 COCs, imported DEM, interpreted WLs and aerial photo in the GWD file and added simulated head files in GWD, imported corrected aerial photos and DEM into GWD, reviewed the previous reports for the GE extraction system information, calculated the annual average water levels and pumping rates for the transient model setup, reviewed the water level data and prepared the MODFLOW input files, converting to transient model, looked for the specific storage and specific yield values and assigned the values in the model, ran the transient simulation, analyzed the simulation results, plotted the simulated vs. observed water levels for all the monitoring wells for the entire simulation period and modified the plot using Python. SSP&A acquired spatial data, and had calls with EPA.

#### *Completion (1 May 2017 through March 31, 2019):*

% of Scope: 69%  
% of Obligated Funds: 69%  
% of Approved Funds: 69%

#### *Remaining Funding:*

Obligated Funds	\$150,279.44
Funds Used	\$104,320.82
Remaining Funds	\$45,958.63
Non-obligated Funds Remaining	\$0.0

#### *Anticipated Delays or Issues:* None.

#### *Forecasts of Potential New Tasks or Additional Hours/Costs:* None.

#### *Personnel Changes:* None.

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Contract Task #	Project Task #	Task	Work to be Completed	Estimated Completion / Delivery Date	Deliverable*
2.A.1	4 and 8	Mapping Hydraulic Gradients	<p>Hydraulic gradient analysis Technical Memo: Use the mapping tools developed in Phase I, for mapping of new of water level maps, as required, that better incorporate localized data such as the various pumping conditions of the two localized municipal drinking water extraction systems, the river, the buried bedrock channel, apparent eastward flow conditions in along the eastern boundary of the landfill, the depth of leachate and other site specific conditions.</p> <p>Web-based Map : Provide results of new analysis in the existing Web-based GIS tool developed in Phase I</p>	<p>60 days from receipt of data.</p> <p>60 days from request.</p>	Technical Memo; Web map
2.A.2	3	Optimizing Groundwater Monitoring Networks:	Technical Memo on resolving data gaps : Review RP's plan to resolve the data gap delineated in Phase I.	60 days from request.	Technical Memo
2.A.3	1,5,6,7	Evaluating Remedy Effectiveness and Remedial Progress:	<p>Technical Memo on updated modeling and status of remedy progress: Review any recent hydrogeologic studies and monitoring reports and a confirmation or an updating of the site conceptual hydrogeologic model and status of remedy progress if needed. 7) If requested by EPA, use the existing groundwater flow models updated in Phase I as required to be to determine remedy performance and evaluate the RP's proposed augmentation of the Site's remedy</p> <p>draft Technical Memo on areas of capture final Technical Memo on areas of capture: Determine expected temporal (separate &amp; combined) areas of capture for the current two localized municipal drinking water extraction systems based on the RP proposed augmentation of the Site's remedy</p> <p>draft Technical Memo on MNA expected performance final Technical Memo on MNA expected performance: Determine expected performance of Monitored Natural Attenuation (MNA) as a remedy based on RP proposed augmentation of the Site's remedy</p>	<p>Draft: 75 days after receiving data Final: 30 days after receiving comments</p>	Technical Memos
2.A.4	2	Optimizing Remedial Actions:	Technical Memo detailing the analysis methods and results of the analysis. Electronic files of results as described in Task description. Analyze the RP proposed augmentation of the Site's remedy to determine effects on groundwater contaminate conditions nature and extent and determine changes over-time and determine 3D plume stability.	<p>Draft: 75 days after receiving data Final: 30 days after receiving comments</p>	Technical Memo

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2.A.5.1	Option al 1	Review and Comment of EPA Region 5 Reports	Technical Memos on review of 4 periodic groundwater monitoring reports: Review four periodic groundwater monitoring reports that RPs are required to submit throughout the year.	60 days from request.	Techical Memos
2.A.5.2	Option al 2	Review and Comment of EPA Region 5 Reports	Evaluate one RP report that includes Remedy Effectiveness and Remedial Progress detailing the analysis methods and results of the analysis: Provide comprehensive detailed written report on the review of one additional RP developed Remedy Effectiveness and Remedial Progress report that may be submitted including reviewing the results of RP's analysis of the proposed augmentation of the Site's remedy.	Draft Report due 75 days from request Final Report within 30 days of receipt of comments.	Report

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## Monthly Administrative Status:

Date last invoices submitted:	Invoice 21024 (\$27,039.37) dated 04/11/2019 and submitted on 04/11/2019
Date last payment received:	April 2, 2019 for Invoice 20946 (\$31,034.85) dated 03/13/2019 and submitted on 2019/03/14 and on March 15, 2019 for Invoice 20861R (\$4980.20) dated 2019/02/14 and submitted on 2019/02/26.
Status of Funding or Requests for Quotes	<p>Keystone Corridor: Additional funds may be required to continue support at the Keystone Corridor site.</p> <p>Bendix: Additional funding is required to continue technical support at the site as Five-Year report is being finalized.</p> <p>Conrail: Additional funding is required to continue technical support at the site as investigation and remedy is being implemented</p>
Other Administrative Comments	Quality Assurance Project Plan (QAPP) Draft A submitted on the date requested by Contract Officer (30 May, 2014).
Status of Contract Modifications	<p><i>Option Period 2 Modifications received:</i></p> <p><b>Mod 061 received on 3/01/2019</b>  003AP Pristine, \$51,230 funded, Approved \$52,170, total funding approved is \$141,219.44  Exercise Federal acquisition Regulation clause 52.217-8 - Option to Extend Services  Period of performance is 5/1/2014 to 10/30/2019</p> <p><b>Mod 060 received on 2/22/2019</b>  Incorporates Federal acquisition Regulation clause 52.217-8 - Option to Extend Services  Period of performance is 5/1/2014 to 4/30/2019</p> <p><b>Mod 059 received on 9/26/2018</b>  003AP Pristine, \$10,000 funded, Approved \$52,170, total funding approved is \$141,219.44  Period of performance is 5/1/2014 to 4/30/2019</p> <p><b>Mod 058 received on 5/22/2018</b>  003AE Reilly Tar, \$101,085 received, total funding is now \$205,145.</p> <p><b>Mod 057 received on 4/11/2018</b>  003AN Kysor, \$6,160 shifted, total funding is now \$8,820.</p> <p><b>Mod 056 received on 03/26/2018</b>  3AP Pristine: deobligation of 0.56, total amount changed to \$89,049.44  03AM Verona: \$4750 added, Total changed from \$61,700 to \$66,450</p> <p><b>Mod 055 received on 3/5/2018</b>  03AM Verona: addition of Technical Direction Memorandum, \$4750 additional funding approve. No new funding obligated.</p> <p><b>Mod 054 received on 2/26/2018</b>  Forest Waste Products (05D5) additional funding obligated \$(70,820)</p>

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	<p><b>Mod 053 received on 2/7/2018</b> Forest Waste Products (05D5) approved additional funding \$(70,820), but no funding obligated, total funding approved (\$193,610)</p> <p><b>Mod 052 received on 2/2/2018</b> Ott Story (0502) obligated \$16,965.37</p> <p><b>Mod 051 received on 9/15/2017</b> Pristine (0556), obligated 89,500 (fully funded)</p> <p><b>Mod 050 received on 9/8/2017</b> Lemberger, deobligation of \$6303.36 from Option Period 1 Hedblum, deobligation of \$3153.48 from Option Period 1</p> <p><b>Mod 049 received on 9/7/2017</b> Conrail, deobligation of \$1358.26 from Option Period 1 Forest Waste, deobligation of \$32,123.21 from Option Period 1</p> <p><b>Mod 048 received on 9/6/2017</b> St-Regis, deobligation of \$30,283.95 from Option Period 1 Reilly Tar, deobligation of \$3.78 from Option Period 1</p> <p><b>Mod 047 received on 9/5/2017</b> Auto Ion, deobligation of \$11,764.78 from Option Period 1</p> <p><b>Mod 047 received on 7/31/2017 - cancelled</b> Period of performance end date changed from 24- Sept-2017 to 30-Apr-2019 Deobligation of 162,020.47 from Option Period 1</p> <p><b>Mod 046 received on 7/19/2017</b> Keystone (B5VX) obligated \$118,467.26 Ott Story (0502) obligated \$12,000 Bendix (05AS) obligated \$51,696.59</p> <p><b>Mod 045 received on 6/8/2017</b> Ott Story (0502) obligated (\$19,614.63) Verona Well Field (0551) obligated (\$13.55) Kysor (052W) obligated (\$2660) Bendix (05AS) obligated (\$7603.41)</p> <p><b>Mod 044 received on 6/8/2017</b> Keystone (B5VX) obligated (\$11,832.74)</p> <p><b>Mod 043 received on 5/16/2017</b> Hagen Farm (053C) obligated (\$13,100) Auto Ion (05C4) obligated (\$20,300)</p> <p><b>Mod 042 received on 5/8/2017</b> Verona Well Field approved (\$61,700); obligated (\$60,000) Conrail (057Y) obligated (\$65,900)</p>
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	<p><b>Mod 041 received on 4/26/2017</b>  Funding received for the following sites:  Keystone Corridor (B5VX) approved (\$130,300); obligated (\$0)  St. Regis (05J2) approved (\$63,945) and obligated (\$63,945)  Lemberger (05J4 and 053E) approved and obligated (\$37,900)  Reilly Tar (0506) approved and obligated (\$104,060)  Forest Waste Products approved and obligated (\$122,790)  Hagen Farm (053C) approved (\$13,100); obligated (\$0)  Hedblum (05E9) approved and obligated (\$11,400)  Conrail (057Y) approved (\$65,900); obligated (\$0)  Auto Ion (05C4) approved (\$20,300); obligated (\$0)  Ott Story (0502) approved (\$48,580); obligated (\$0)  Kysor (052W) approved (\$2660); obligated (\$0)  Bendix (05AS) approved (\$59,300); obligated (\$0)</p> <p><b>Mod 040 received on 3/17/2017</b>  Contract Option Period 2 exercised, Period of Performance 05/01/2017 to 04/30/2019,  Current GSA schedule ends on 24 September 2017. The period of performance for Option  Period 2 is also end 24 September 2017. A modification will be initiated once GSA  approves the next GSA Schedule Contract option period.</p>
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